

Title (en)

Method and device for local heating with regenerative heat recovery

Title (de)

Verfahren und Einrichtung für lokales Heizen mit regenerativer Wärmerückgewinnung

Title (fr)

Méthode et dispositif de chauffage local avec récupération de chaleur régénérable

Publication

**EP 1148303 A2 20011024 (EN)**

Application

**EP 01303468 A 20010412**

Priority

SI 200000100 A 20000418

Abstract (en)

A system for individual local ventilation uses a rotating regenerator (heat exchanger) (1) for heat recovery from used air. The system works continuously and is fixed in an outer wall or ceiling. In addition to the normal fresh air flow (I) and used air flow (II), there is also provided a countercondensation air flow (III) which warms up the regenerator (1) to prevent condensing moisture blocking the regenerator (1). The system also allows for partial or complete backdraft operation by controlling the rate of rotation of regenerator (1). Two fan and three fan embodiments are provided. <IMAGE>

IPC 1-7

**F24F 3/147**; **F24F 12/00**

IPC 8 full level

**F24F 12/00** (2006.01)

IPC 8 main group level

**F24F 3/00** (2006.01); **F24F 13/00** (2006.01); **F28F 5/00** (2006.01)

CPC (source: EP)

**F24F 12/001** (2013.01); **F24F 2203/1004** (2013.01); **F24F 2203/1012** (2013.01); **F24F 2203/104** (2013.01); **F24F 2203/1048** (2013.01); **F24F 2203/1068** (2013.01); **F24F 2203/1084** (2013.01); **F24F 2203/1088** (2013.01); **F24F 2203/1096** (2013.01); **Y02B 30/56** (2013.01)

Cited by

EP1837610A3; CN100374791C; CN112833471A; US7316261B2; WO2004053409A3

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1148303 A2 20011024**; **EP 1148303 A3 20020320**; SI 20550 A 20011031

DOCDB simple family (application)

**EP 01303468 A 20010412**; SI 200000100 A 20000418